

AMENDMENTS TO THE CLAIMS:

Please cancel claims 15, 18, 21, 24, 27, and 30, without prejudice or disclaimer, and amend claims 16, 17, 19, 20, 22, 23, 25, 26, 28, 29, 31, and 32, as listed in the following listing of the claims, which replaces all prior versions and listings of claims in the application:

1-15. (Canceled).

16. (Currently Amended) A router attachable to and detachable from a private branch exchanger, comprising:

communication network interface means connectable to a communication network;

bus interface means connectable to a bus of said private branch exchanger;

memory means including a routing table; and

routing means for routing a packet signal transmitted via said communication network interface means with reference to said routing table, in accordance with an address signal, and for transmitting said packet signal to said bus interface means, according to claim 15,

wherein said communication network interface means is further connectable to voice encoding/decoding means for encoding a voice signal ~~to a voice packet signal~~ and for decoding a voice packet signal ~~to a voice signal~~.

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17. (Currently Amended) [[A]]The router according to claim [[15]]16, wherein said communication network interface means includes a hub means.

18. (Canceled)

19. (Currently Amended) A router attachable to and detachable from a private branch exchanger, comprising:

communication network interface means connectable to a communication network;
bus interface means connectable to a bus of said private branch exchanger;
memory means including a routing table; and
routing means for protocol converting a packet signal transmitted via said communication network interface means, and for routing said packet signal with reference to said routing table, in accordance with an address signal, and for transmitting said packet signal to said bus interface means, according to claim 18,

wherein said communication network interface means is further connectable to voice encoding/decoding means for encoding a voice signal ~~to a voice packet signal~~ and for decoding a voice packet signal ~~to a voice signal~~.

20. (Currently Amended) [[A]]The router according to claim [[18]]19, wherein said communication network interface means includes a hub means.

21. (Canceled).

22. (Currently Amended) A router attachable to and detachable from a private branch exchanger, comprising:

communication network interface means connectable to a communication network;

bus interface means connectable to a bus of said private branch exchanger; and
time slot assigning means for assigning packet signals transmitted via said communication network interface means, to time slots of a bus connected to said bus interface means, according to claim 21,

wherein said communication network interface means is further connectable to voice encoding/decoding means for encoding a voice signal ~~to a voice packet signal~~ and for decoding a voice packet signal ~~to a voice signal~~.

23. (Currently Amended) [[A]]The router according to claim [[21]]22, wherein said communication network interface means includes a hub means.

24. (Canceled).

25. (Currently Amended) A router attachable to and detachable from a private branch exchanger, comprising:

a communication network interface unit connectable to a communication network;

a bus interface unit connectable to a bus of said private branch exchanger; memory including a routing table; and a controller for routing a packet signal transmitted via said communication network interface unit with reference to said routing table, in accordance with an address signal, and for transmitting said packet signal to said bus interface unit, according to claim 24,

wherein said communication network interface unit is further connectable to voice encoding/decoding unit for encoding a voice signal to a voice packet signal and for decoding a voice packet signal to a voice signal.

26. (Currently Amended) [[A]]The router according to claim [[24]]25, wherein said communication network interface unit includes a hub.

27. (Canceled).

28. (Currently Amended) A router attachable to and detachable from a private branch exchanger, comprising:

a communication network interface unit connectable to a communication network;

a bus interface unit connectable to a bus of said private branch exchanger;

memory including a routing table; and
a controller for protocol converting a packet signal transmitted via said
communication network interface unit, and for routing said packet signal with reference
to said routing table, in accordance with an address signal, and for transmitting said
packet signal to said bus interface unit, according to claim 27,

wherein said communication network interface unit is further connectable to
codec for encoding a voice signal to a voice packet signal and for decoding a voice
packet signal to a voice signal.

29. (Currently Amended) [[A]]The router according to claim [[27]]28, wherein
said communication network interface unit includes a hub.

30. (Canceled).

31. (Currently Amended) A router attachable to and detachable from a private
branch exchanger, comprising:
a communication network interface unit connectable to a communication
network;
a bus interface unit connectable to a bus of said private branch exchanger; and
a time slot assigner for assigning packet signals transmitted via said
communication network interface unit, to time slots of a bus connected to said bus
interface unit, according to claim 30,

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wherein said communication network interface unit is further connectable to codec for encoding a voice signal ~~to a voice packet signal~~ and for decoding a voice packet signal ~~to a voice signal~~.

32. (Currently Amended) [[A]]The router according to claim [[30]]31, wherein said communication network interface unit includes a hub.